

3 C 2/16/71  
2 SC 2/17/71  
1 EX 2/17/71

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SECRET TELEPOUCH

DISP NO- [REDACTED]

DATE - 5 FEBRUARY 1971

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TO - [REDACTED]

INFO - NONE

FROM - ACTING CHIEF, FAR EAST DIVISION

SUBJ - AIR CONDITIONING OF DCOS QUARTERS AND [REDACTED]

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ACTION - SEE BELOW RE

REF - [REDACTED] 9380 /5JAN 71/

1. RE PAR 1B REF, APPROVAL GRANTED TO CENTRALLY AIR  
CONDITION DCOS QUARTERS PROVIDED NO PART OF THE SYSTEM,  
EQUIPMENT OR DUCTS, ARE INSTALLED ON THE ROOF OF THE BUILDING.  
COSTS SHOULD NOT EXCEED \$1100.

2. REGARDING THE REQUEST TO REPLACE THE AC UNITS IN THE  
DORMS HALL. WE ARE RELUCTANT TO MAKE THIS OUTLAY FOR NEW  
EQUIPMENT IF IT WOULD BE POSSIBLE TO MAKE MAJOR OVERHALL OF THE  
PRESENT EQUIPMENT AND GET RELIABLE SERVICE FOR ANOTHER 3 OR 4  
YEARS. AS YOU KNOW WE INTEND SHORTLY TO UNDERTAKE A STUDY THAT  
WILL DETERMINE OUR FUTURE UTILIZATION OF THE [REDACTED] FACILITIES  
UNTIL THAT HAS BEEN COMPLETED WE ARE ATTEMPTING TO AVOID MAJOR  
OUTLAYS. IT IS REQUESTED THAT YOU DETERMINE THE COSTS OF  
RECONDITIONING THE PRESENT EQUIPMENT TO EXTEND ITS USEFUL  
LIFE FOR 4 YEARS. YOUR ESTIMATES SHOULD INCLUDE THE MAINTENANCE  
COSTS DURING THAT PERIOD FOR THE OLDER EQUIPMENT VS. THE  
MAINTENANCE OF NEW EQUIPMENT IF IT WERE PROCURED.

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NOT SENT

MEMORANDUM FOR: Chief, Far East Division

ATTENTION : Logistics Officer

SUBJECT : Technical Review of Request for Approvals  
for Two Air Conditioning Projects at

REFERENCE : [REDACTED] an 71

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1. Requests contained in reference have been reviewed and comments and recommendations are forwarded herein.

a. [REDACTED] Mess and Dining Area

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(1) Comments:

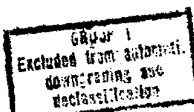
(a) Two units (30 and 25 tons) in Dining Area are reaching an age at which maintenance and repair costs can be expected to increase significantly; reliability of continuous operation uncertain; and with changes in space configurations and utilization, these old units no longer meet the requirements of good air distribution, quiet operation, and good appearance.

(b) Water cooling towers for condensing water cooling are rapidly losing favor in small-systems designs to air-cooled condensers due to water waste and other disadvantages of water towers (further complicated by corrosive conditions [REDACTED])

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(c) Design and installation of a central chilled-water plant for whole-building cooling together with all-electric heating, although technically feasible, is not economically feasible as is stated in the reference.

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Air Conditioning Projects at [REDACTED]

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(d) Costs stated for the project scope  
(design and equipment replacement) are believed  
reasonable.

(2) Recommendation:

Concur in Station's request and therefore  
recommend approval.

b. DCOS Residence

(1) Comments:

(a) This family quarters, although not  
quite as large as the Chief of Station's quarters,  
is now totally air conditioned using window-  
type units. When originally constructed, no  
central air-conditioning systems were installed  
in the quarters. Since about 1966 all

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(b) Conversion from window-type heating/  
cooling units to central system is both technically  
and economically feasible for any family quarters.

(c) No part of the air-conditioning system  
(equipment or ducts) should be installed on the  
roof of the building.

(2) Recommendation:

Concur in Station's request and therefore  
recommend approval subject to stipulation con-  
cerning equipment on roofs.

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Air Conditioning Projects at [REDACTED]**

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2. The technical review comments and recommendations above do not consider the possibility of relatively short-term occupancy of this facility by the Agency. In the event our leasehold essentially terminates at [REDACTED] within a period of two or three years, it is felt that the air-conditioning equipment changes proposed for the [REDACTED] Mess and Dining Area might be appreciably reduced. If the 30 and 25 ton units are reconditioned instead of replaced and the Station continues to use existing water-cooling equipment instead of converting to air-cooled condensing water equipment, appreciably less equipment would be procured and installed.

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3. Since the present Post Engineer at [REDACTED] is a Mechanical Engineer with particular expertise in air conditioning, it is recommended that he be tasked to investigate the feasibility of reconditioning existing equipment and submit an acceptable alternate proposal in light of possible short-term utilization of this facility by the Agency.

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[REDACTED]  
**Chief  
Real Estate and Construction Division**

**Distribution:**

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OL/RECD/FEngB [REDACTED]:sl/3023

3 February 1971

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